



**Indian Point  
Decommissioning  
Oversight Board**

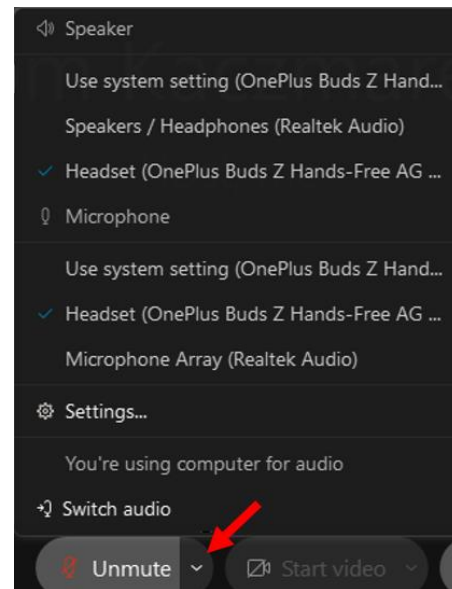
**Joint Meeting**

# **Indian Point Closure Task Force and Decommissioning Oversight Board**

**May 19, 2022 | 6:00 PM  
Cortlandt Town Hall | Webex**

# Meeting Logistics

- In-person panelists: **use mic when speaking**
- All virtual attendees are **muted** upon entry.
- The public statement portion of the meeting will occur closer to the beginning of the agenda.
- Participants who **pre-registered** to speak given first priority; other statements accepted if time allows.
- Questions in Q&A will be reviewed following the meeting
- Chat function for logistical support
- Sound issues? Select options next to “Unmute”
- For the best audio experience, select “call me”
- Issues joining? Call: **1-800-342-3330**



# Membership

## State Representatives

- Assistant Counsel Rajiv Shah, Office of the Governor
- Deputy Secretary for Education Dan Fuller
- Senator Peter Harckham
- Assemblywoman Sandy Galef
- Tom Congdon, Department of Public Service
- John Sipos, Department of Public Service
- Tom Kaczmarek, Department of Public Service
- Kelly Turturro, Department of Environmental Conservation
- Jeff Guynup, Department of Labor
- Mark Pattison, Department of State
- Scott Palladino, Department of Taxation and Finance
- Jennifer Wach, Division of Homeland Security and Emergency Services
- Tom Scaglione, Empire State Development
- Joe Leary, New York Power Authority
- Alyse Peterson, New York State Energy Research and Development Authority

## Environmental and Technical Experts *(DOB only)*

- David Lochbaum, Nuclear Engineer (ret.)
- Richard Webster, Riverkeeper

## Local Representatives

- Rich Becker, Supervisor, Town of Cortlandt
- Theresa Knickerbocker, Mayor, Village of Buchanan
- Susan Spear, Deputy Commissioner of Emergency Services, Westchester County
- Catherine Borgia, Westchester Co. Board of Legislators
- Colin Smith, Westchester Co. Board of Legislators
- Joseph Hochreiter, Superintendent, Hendrick Hudson School District

## Labor Representatives

- Lou Picani, President, Teamsters Local 456
- Bill Smith, Vice President, Utility Workers Union of America Local 1-2
- Thomas Carey, President, Westchester Putnam Central Labor Council



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# Agenda

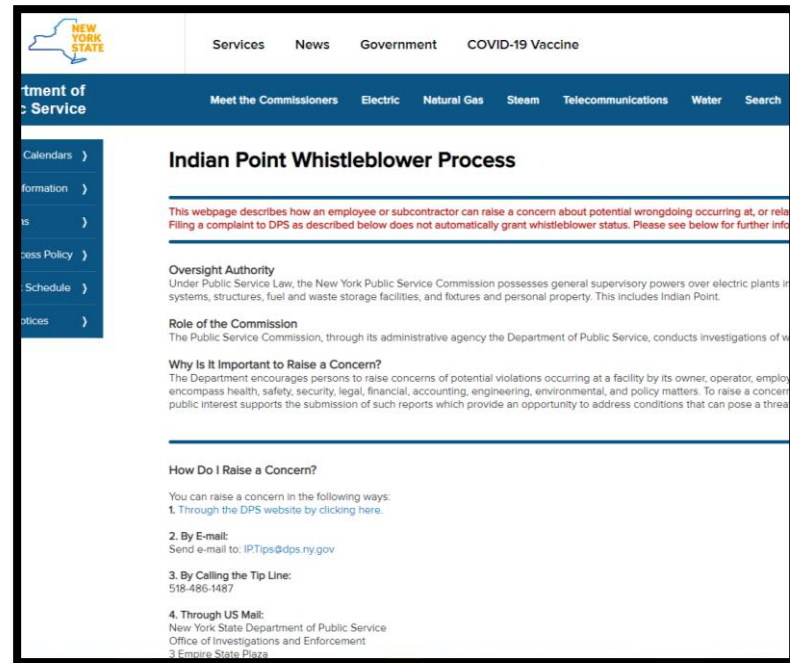
- Welcome and DOB Updates
- State and Local Oversight
- Updates on Decommissioning
- Public Statement Period
- Emergency Preparedness, Management, and Response
- School Monitoring
- Community Speakers
- Public Statements (*if necessary*)
- Next Steps and Adjourn



# Indian Point Tip Line

## DPS Tip Line Info

- [www.dps.ny.gov/iptips](http://www.dps.ny.gov/iptips)
- Email: [IP.Tips@dps.ny.gov](mailto:IP.Tips@dps.ny.gov)
- Phone: 518-486-1487
- [Webform](#)



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# DOB Updates

# DOB Updates

1. MOU between Holtec and Enbridge regarding heavy load crossings and notifications was executed
2. Q&A posted well in advance of meeting
3. DPS made progress in selecting a Resident Inspector – will be in place very soon
4. Correspondence with Holtec re NRC violations at other sites
5. Public Engagement Improvements
  - More Meetings
  - Community Guest Speakers
  - Public Statement Hearing – Earlier on Agenda
  - **Public Forum in July**



# Public Forum – July 27

1. Public is seeking more dialogue
2. For the July 27 meeting, most of the agenda time will be dedicated to a public forum, which will be publicized with ample advanced notice
3. We will invite members of the public to submit questions in advance – by July 8
4. DOB staff will organize questions by topic area, and share them with the relevant experts so that they can prepare a robust response.
5. At the meeting, we'll call on the individual to ask their question, then the agency or technical expert (or company rep) would provide the response.
6. Time will be provided for a brief discussion if any DOB member wishes to make further observations or ask a follow-up question. We'd also allow the questioner to ask a follow-up.

## Thoughts from DOB Members?



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# State and Local Oversight



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# Monitoring Updates

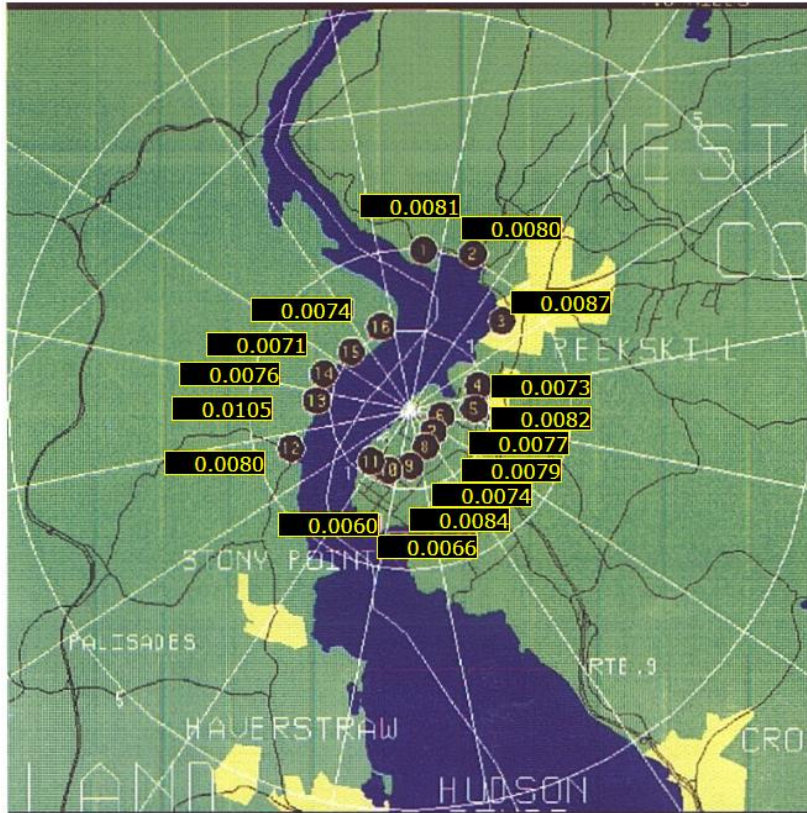
- Continuous monitoring (15 second intervals)\*
- Secure, closed data feed to County & State
- 16 monitors located near Indian Point site
- Monitoring program through spent fuel transfer (required under PSC Order 19-E-0730)
- Monitor Nos. 8 and 9 Approx. 1,200ft and 1,300ft from BV school

\*Indian Point is one of only five US nuclear power plants with continuous radiation monitoring capability



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# Monitoring Updates



Offsite Radiation Monitors		
Current Time: 5/19/2022 9:24:25 AM		
TAGNAME	VALUE	TIMESTAMP
RADMON1.MID	0.0081	5/19/2022 9:23:02 AM
RADMON2.MID	0.0080	5/19/2022 9:23:02 AM
RADMON3.MID	0.0087	5/19/2022 9:23:02 AM
RADMON4.INS	0.0073	5/19/2022 9:23:02 AM
RADMON5.MID	0.0082	5/19/2022 9:23:02 AM
RADMON6.MID	0.0077	5/19/2022 9:23:02 AM
RADMON7.MID	0.0079	5/19/2022 9:23:02 AM
RADMON8.MID	0.0074	5/19/2022 9:23:02 AM
RADMON9.MID	0.0084	5/19/2022 9:23:02 AM
RADMON10.MID	0.0066	5/19/2022 9:23:02 AM
RADMON11.MID	0.0060	5/19/2022 9:23:02 AM
RADMON12.MID	0.0080	5/19/2022 9:23:02 AM
RADMON13.MID	0.0105	5/19/2022 9:23:02 AM
RADMON14.MID	0.0076	5/19/2022 9:23:02 AM
RADMON15.MID	0.0071	5/19/2022 9:23:02 AM
RADMON16.MID	0.0074	5/19/2022 9:23:02 AM



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# DPS Oversight Activities - To Date

- DPS Staff continue to visit site & interact with Holtec.
- Expected to hire State Inspector in coming weeks
- Holtec has provided DPS with daily summaries of all meteorological and effluent safety data along with spent fuel temperature data, as required under the Joint Proposal. No safety concerns reported to date.



# Project and Financial Reporting

- State regulators have been present at all Holtec monthly project meetings, and Holtec has provided the information required under the Joint Proposal at each meeting.
- Holtec reports that the project is thus far on schedule and under budget.
- DPS Staff has received and is reviewing Holtec's annual decommissioning funding status report. Holtec reports that it remains in compliance with its minimum trust fund balance obligations under the Joint Proposal.
- These submissions will be further discussed at an upcoming review with State regulators.



# Federal Engagement

- Decommissioning Rulemaking comment deadline extended to August 30
- NRC Review of Post-Shutdown Decommissioning Activities Report (PSDAR) – NRC Staff issued a written summary, which includes its observation that the report included expected information and description of public comments. ML22082A220
- Holtec exemption & license amendment request for Permanently Defueled Emergency Plan (PDEP) -- will be discussed during emergency response presentation
- Holtec exemption request for the allowable contents in HI-STORM dry cask storage containers. ML22083A191 State review is in progress



# DEC Oversight Activities

## Administrative Consent Order Requirements

### Citizen Participation Plan

- Ensures public involvement in review of work plans and remedial action plans.
- Status: NYSDEC and Holtec are working to finalize the Plan.

### Scoping Work Plan

- Outlines the overall program of remedial investigation.
- Status: NYSDEC and Holtec are working to finalize the Plan.



# DEC Oversight Activities

## Facility Permits

### State Pollutant Discharge Elimination System (SPDES)

- Expired on April 30, 2022. Holtec submitted a timely renewal application. Facility continues to have coverage under the existing SPDES permit pursuant to the State Administrative Procedure Law.
- NYSDEC undertaking a review of the permit application to determine if a permit modification is necessary.





# Dust Mitigation

- State regulations establish certain standards applicable to demolition, including *6NYCRR Part 211.1 Air Pollution Prohibited*
- Village of Buchanan Demolition Permits issued to either Holtec or their contractors would require compliance with applicable state regulations
- NYS coordinating with Village, County to directly incorporate the State standards into demolition permit process.
- Establishing standards now in anticipation of permit applications for dismantlement of containment domes, other major structures at Indian Point site.



# Updates on Decommissioning



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# Presentation by Rich Burroni, Holtec



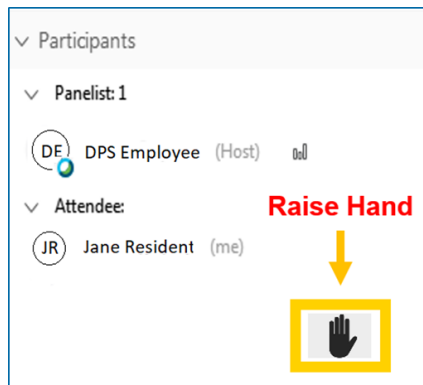
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# Public Statements



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# Public Statement Procedures



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03:00

# Emergency Preparedness, Management, & Response



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# Topics for Discussion

1. Overview of Emergency Operations Planning
2. Response Coordination & Entities
3. Public Information and Notice
4. Trainings and Exercises
5. Public Preparedness
6. Risk Profile at Indian Point
7. Key Takeaways





# Emergency Operations Plans

- An **Emergency Operations Plan (EOP)** is an organization's or community's plan for responding to a variety of potential hazards.
  - Plans are flexible and adaptable to actual situation.
  - Base plans, functional and hazard annexes.
- Type and scope of plans activated determined by:
  - Type of event and risk profile.
  - Scope and scale of actual/potential impacts.



# Emergency Response Coordination

- Emergencies start and end locally.
- Planning/plans:
  - Identify departments/agencies designated to perform activities and functions.
  - Direction, control and communication.
  - Alert, notification and dispatch of emergency personnel.
  - Warning/providing information to the public.
  - Protect residents and property.
  - Request mutual aid/support.
- Roles & Responsibilities
  - Local (e.g., fire, law enforcement, emergency medical services)
  - County
  - State
  - Federal



# Overview of Emergency Response



\*For illustrative purposes only. Response tailored to the nature of the incident.



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# Emergency Response Entities

Entities that *could*\* respond to an incident include:

- Property/Facility (e.g., Holtec, Enbridge).
- Local responders & Village/Town government (e.g., law enforcement, fire service, EMS).
- Westchester County (e.g., county police, emergency services, health).
- New York State agencies (e.g., State Police, Environmental Conservation, Health, Public Service, Homeland Security & Emergency Services, NYSERDA).
- Federal agencies (e.g., NRC, FEMA)

\*dependent on factors such as type, scale, location, duration of emergency



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# Public Information and Notice

## Sign up for notifications

- CodeRED: Text “Cortlandt” to 99411
- Westchester: <https://westchestercountyny.onthealert.com>
- NY-Alert: <https://alert.ny.gov>

## Alert and warning

- Emergency Alert System (EAS)
- Wireless Emergency Alerts (WEA)
- NOAA Weather Radio
- Indian Point siren system - Emergency Planning Zone (EPZ) – 10-mile radius\*  
*\*long, high-pitch siren not to be confused with fire department siren*



# Preparedness Training & Exercises

## Training

- Build or sustain knowledge, skills and abilities for responding entities.

## Exercising EOPs:

- Emergency simulations to practice plans and identify improvements.

## Training & Exercise Participants:

- Facility emergency response / Security Teams
- Relevant critical infrastructure operators, when appropriate
- Local first responders
- County, State & Federal agency responders



# Upcoming Preparedness Activities

- Holtec Indian Point security drills: observed by NRC (Apr. 2022)
- Full-volume siren test and Emergency Alert System (EAS) (May 2022)
- Holtec Indian Point fire brigade drills (quarterly)
- Holtec and offsite fire agency annual Indian Point drill with Verplanck Fire District (May 2022)
- Enbridge pipeline tabletop exercise: Tabletop drill facilitated by Enbridge; Holtec, state, county, and local emergency responders (Summer 2022)
- Indian Point radiological emergency preparedness exercise: Holtec, counties, State, FEMA, and NRC (Nov. 2022)



# Community preparedness

Prepare yourself and your loved ones:

- FEMA's Ready.gov <https://Ready.gov>
- Westchester Department of Emergency Services  
<https://emergencyservices.westchestergov.com>
  - Severe weather, hurricane and Indian Point preparedness
- New York State Division of Homeland Security & Emergency Services  
<https://www.dhSES.ny.gov/safety-and-prevention>
  - Safety & Prevention – learn about and plan for emergencies
- Indian Point website: <https://holtecinternational.com/company/divisions/hdi/our-fleet/indian-point/>

Sign up for notifications

- Buchanan: <https://villageofbuchanan.com>
- Cortlandt CodeRED: Text “Cortlandt” to 99411
- Westchester: <https://westchestercountyny.onthealert.com>
- NY-Alert: <https://alert.ny.gov>



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# Risk Profile at Indian Point

- Significant decrease with fuel out of reactors in 2020, 2021
- Risk lessens as more fuel is cooled and transferred to ISFSI
- Less still when all fuel is in dry cask storage (proj. Q4 2023)
- Plans evolve with each new phase of decommissioning
- Evacuation order highly unlikely
- Pipeline risks reduced with enhanced mitigation measures required by NYS in May 2021 Joint Proposal with Holtec, enhanced communications and pipeline crossing protocols with Enbridge, MOU signed in April 2022



# Holtec Fire Protection Plan

## Decommissioning Plan for Fire Protection Program (FPP)

- Holtec submitted FPP to NYS for review in September 2021.
- NYS requested additional information, including details regarding Holtec's preparedness for and responding to incidents involving interstate gas transmission pipelines. Westchester Department of Emergency Services (DES) and Local Fire Departments also commented on FPP
- NYS OFPC, Westchester DES, Local Fire Departments, and EMS agencies met with Holtec in March 2022 to review response procedures and clarify appropriate contacts



# Holtec Exemption Request and LAR

## Permanently Defueled Emergency Plan (PDEP)

- Holtec submitted exemption request and license amendment request (LAR) for PDEP would:
  - Decrease offsite emergency planning activities (eliminates the Site Area Emergency and General Emergency event classifications);
  - Reduce scope of onsite emergency planning.
- NYS opposes changes to PDEP until all fuel on ISFSI
- NRC decision anticipated January 2023
- Public comments may be sent to:

Shaun Anderson, Branch Chief  
NRC Reactor Decommissioning Branch  
Division of Decommissioning, Uranium Recovery, and Waste Programs  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001



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# Key Takeaways

- With Indian Point's decommissioning, radiological risk and potential for associated evacuation potential continue steep decline.
- Emergency response entities plan, train and exercise together.
- Type of emergency and actual/potential impacts inform decisions and actions taken.
- Public communications will be clear and direct when needed
- Emergency preparedness guidance available to the public.
- NYS advocating for Holtec, NRC to maintain strong on-site emergency preparedness.



# Questions?



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# School Monitoring



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**Presentation by**  
**Santiago Oliva and Reuben Goh**  
**Masters in Sustainability Science Candidates**  
**at Columbia University**  
*(Professor Jonathan Hollander, Ph.D.)*



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# Community Engagement



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# Presentation by Courtney Williams

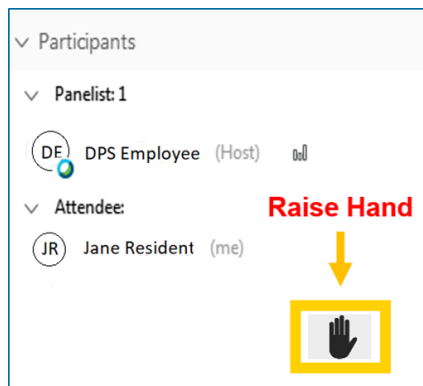


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# Public Statements *(if necessary)*



# Public Statement Procedures



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03:00

# Other Ways To Comment

**Internet:** <http://www.dps.ny.gov>

- Click “Indian Point Closure Task Force/Decommissioning Oversight Board”
- Click “Post Comments”

**E-mail:** Secretary to the Commission  
([secretary@dps.ny.gov](mailto:secretary@dps.ny.gov))

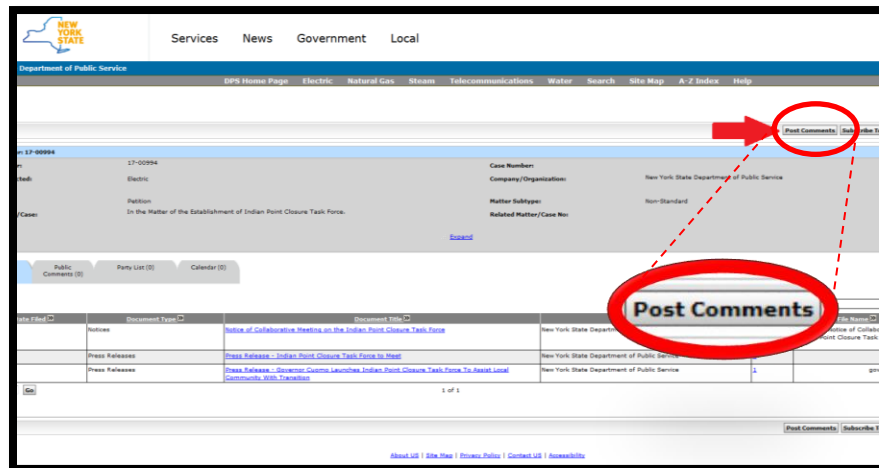
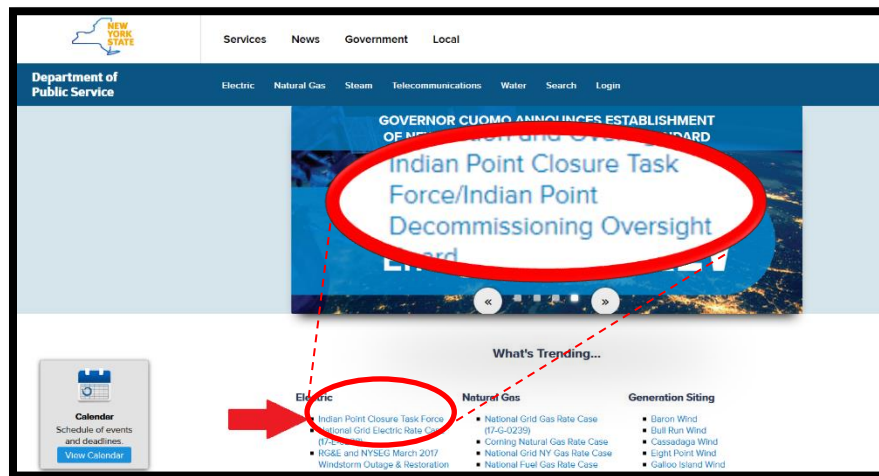
**Mail:**

Hon. Michelle Phillips, Secretary  
Public Service Commission  
Three Empire State Plaza  
Albany, New York 12223-1350

**Toll-Free Opinion Line:**

1-800-335-2120

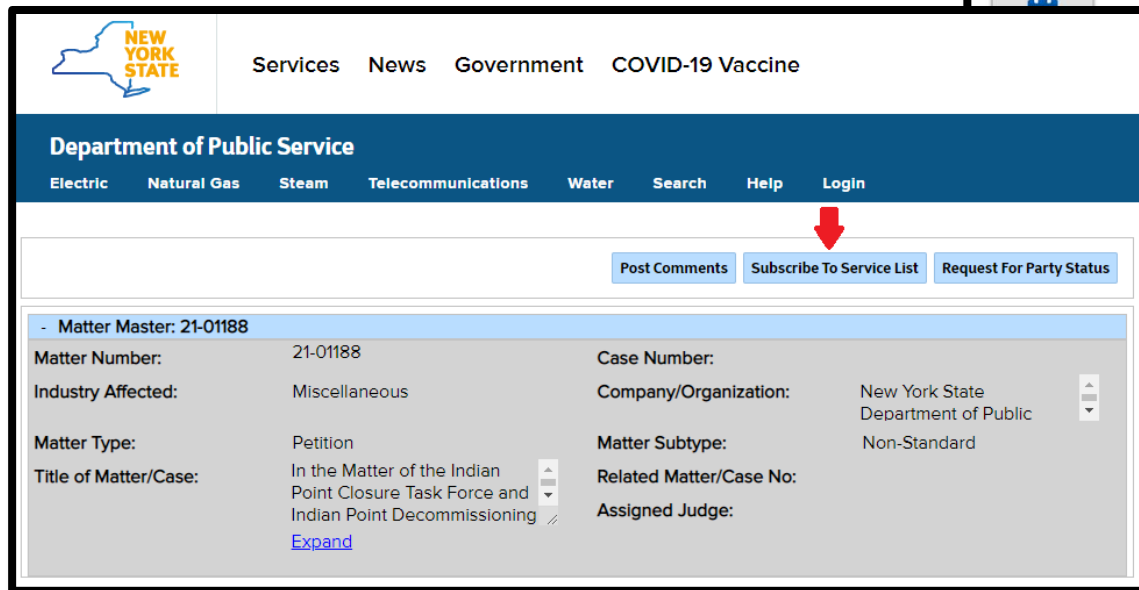
- Press “1” to leave comments
- Mention matter #21-01188, “Indian Point Task Force/Decommissioning Oversight Board”



# Sign Up For Updates

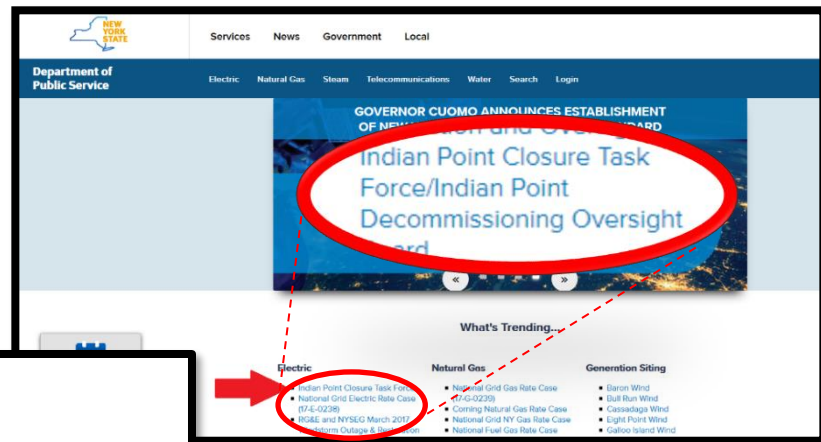
Go To: <http://www.dps.ny.gov>

- Click “Indian Point Closure Task Force/Decommissioning Oversight Board”
- Click “Subscribe To Service List”



The screenshot shows the New York State Department of Public Service website. The header includes the New York State logo and navigation links: Services, News, Government, COVID-19 Vaccine. Below the header is a dark blue bar with the text "Department of Public Service" and a secondary navigation bar with links: Electric, Natural Gas, Steam, Telecommunications, Water, Search, Help, Login. A red arrow points down to a button labeled "Subscribe To Service List" in the "What's Trending..." section. Below this, a table displays details for "Matter Master: 21-01188".

- Matter Master: 21-01188			
Matter Number:	21-01188	Case Number:	
Industry Affected:	Miscellaneous	Company/Organization:	New York State Department of Public
Matter Type:	Petition	Matter Subtype:	Non-Standard
Title of Matter/Case:	In the Matter of the Indian Point Closure Task Force and Indian Point Decommissioning	Related Matter/Case No:	
	<a href="#">Expand</a>	Assigned Judge:	



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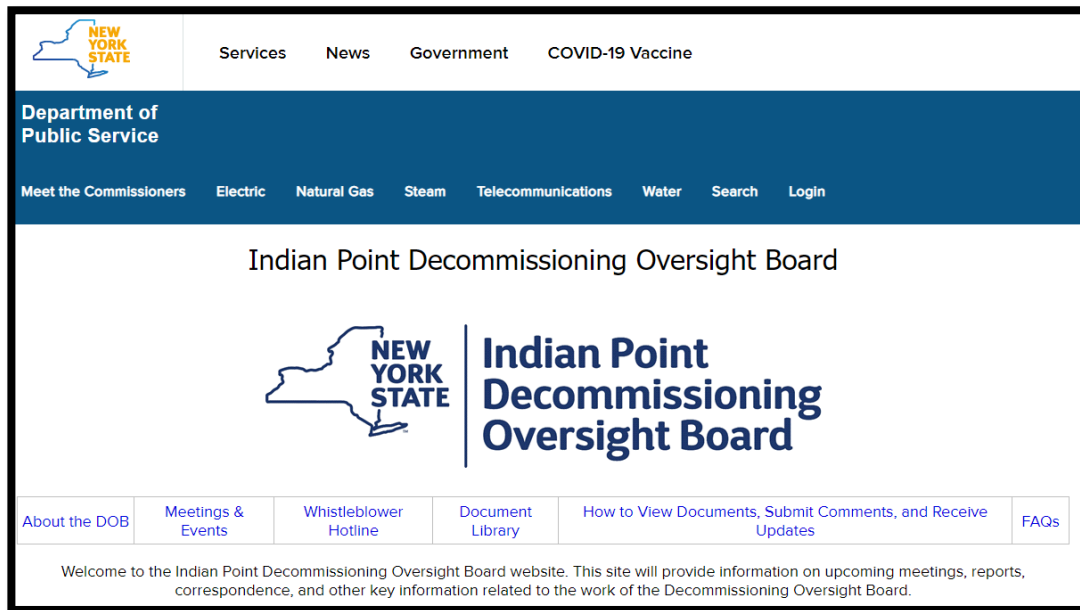


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# Visit the DOB Website

<http://www.dps.ny.gov/indianpoint>

- Decommissioning Updates
  - Schedule of Events
  - Meeting Materials
  - Document Library
- Federal comment opportunities
  - FAQs
- and more!



# Next Steps



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# Potential Topics\* for Upcoming Meetings

- Public Forum – July 2022
- Dust Control Requirements, Techniques, and Effectiveness
- Site and Environmental Cleanup
- Spent Fuel Pool Water Management
- Cask Design, Management, and Site Hardening
- Waste Management and Shipping
- Managing Risk of “Extraordinary Events”

*\*subject to change as more timely matters arise*

*\*\*topics may be revisited at additional future meetings as warranted*



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**Next Meeting  
July 27, 2022**



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# Meeting Adjourned



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